

CONTENTS OF VOLUME 24

Number 1

Stress State and Hydrogen-related fracture	1
D. A. KOSS (USA) and FAN YUNCHANG (People's Republic of China)	
Interaction of Mechanical and Thermal Stresses on the Instability of Cylindrical Shells	25
S. IGNACCOLO, M. COUSIN, J. F. JULLIEN and N. WAECKEL (France)	
Closed-Form Solutions for Strongly Nonlinear Differential Equations Describing the Elastica of Straight Bars: Applications to Frames	35
P. S. THEOCARIS and D. E. PANAYOTOUNAKOS (Greece)	
Le Fluage de Dorn et l'Influence de l'Energie de Faute d'Empilement: Cas de Cu et Cu-Si	47
M. CORNET, C. BERTRAND and M. F. TRICHET (France)	
Application of the Activation Energy for Description of Creep-rupture of Materials in Complex Stress States	85
A. JAKOWLUK, E. MIELESZKO and S. ONOPIUK (Poland)	
Announcement	97

Number 2

Weibull's Fracture Statistics, or Probabilistic Strength of Materials: State of the Art	99
P. KITTL and G. DÍAZ (Chile)	

Number 3

On the Seewald-Karman Correction in Fracture Statistics of a Rectangular Beam	209
G. DÍAZ and P. KITTL (Chile)	
The Effect of Repeated Contacts Between a Ball and a Halfspace	219
NILS ENDAHL (Sweden)	

385

Quantitative Safety Goals for Nuclear Power Plants: Critical Review and Reformulation Within a Unified Theory	233
H. A. MUNERA and G. YADIGAROGLU (Switzerland)	
The Effect of Microstructure on the Fatigue Crack Growth Characteristics of Steel in a Dry Air Environment	265
J. H. BULLOCH (Republic of South Africa)	
Separation Processes in Monotectic Systems	277
BARBARA R. FACEMIRE and DONALD O. FRAZIER (USA)	

Number 4

The Deformational Responses of Urania Fuel Pellets	299
K. R. MERCKX (USA)	
Theoretical Description of the Deformation Taking Place in an Impression Test	335
P. TASNÁDI, A. JUHÁSZ, N. Q. CHINH and I. KOVÁCS (Hungary)	
On the Large Deflection of a Spring-Hinged Cantilever Beam with End Rotational Load	349
B. NAGESWARA RAO, G. L. NAGESH BABU and G. VENKATESWARA RAO (India)	
Review on Creep Behaviour of Simple Structures	359
T. FETT (FRG)	
The Validity of Fourier Theory of Radiation Heating of Metals	377
BEKIR SAMI YILBAS (Turkey)	
Announcement	383
Contents of Volume 24	385

